

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
11 August 2005 (11.08.2005)

PCT

(10) International Publication Number  
**WO 2005/074075 A1**

(51) International Patent Classification<sup>7</sup>:  
H05F 3/02

H01R 4/66,

(21) International Application Number:  
PCT/SE2005/000099

(22) International Filing Date: 28 January 2005 (28.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0400166-5 29 January 2004 (29.01.2004) SE

(71) Applicant (for all designated States except US): ANDERS  
THULIN CONSULTING AB [SE/SE]; Box 242, S-133  
02 Saltsjöbaden (SE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): THULIN, Anders  
[SE/SE]; Amiralsvägen 10, S-133 36 Saltsjöbaden (SE).

(74) Agent: HAGSTRÖM, Hans, et al; Bergenstråhle & Lind-  
vall AB, Box 17704, S-118 93 Stockholm (SE).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

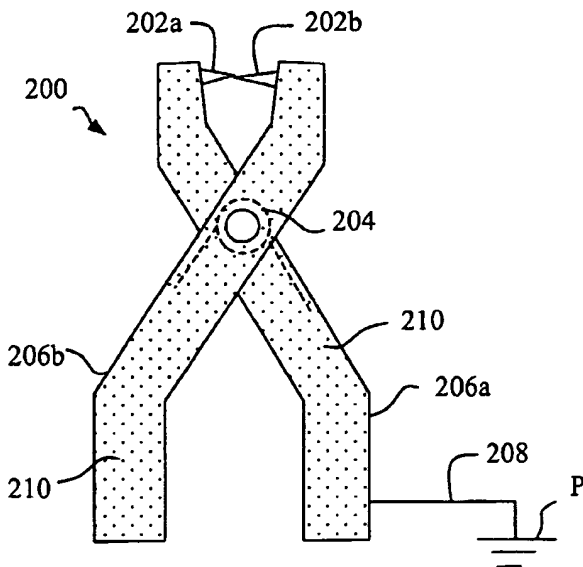
(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: A DEVICE FOR DISSIPATING STATIC ELECTRICITY



(57) Abstract: A device for safe dissipation of static  
electricity or charge from an object, comprising at  
least one conductive contacting means (202a, b)  
intended to be applied in contact with the object and  
to be connected to a point (P) capable of dissipating  
electric current. The contacting means is connected  
to the dissipation point via a low conductive material  
(210) for slow dissipation of current from the  
object, such that the formation of sparks is avoided.  
Preferably, the low conductive material comprises an  
insulating matrix, such as plastics, and a conductive  
additive mixed therein, such as metallic powder or  
soot. A potential recharging of the object will then  
be dissipated relatively slowly during initial contact  
with the device such that no spark can be released.  
Thereby, an explosion or fire can be avoided in  
hazardous environments, particularly in the field of  
chemical industry.